





TOXNET: Toxicology & Environmental Information

<http://toxnet.nlm.nih.gov/>

United States
National Library
of Medicine

TOXNET

Toxicology Data Network
















TOXNET PDA Access

SIS Home | About Us | Site Map & Search | Contact Us

► Env. Health & Toxicology ► TOXNET

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

Select Database


- ChemIDplus 
- HSDB 
- TOXLINE 
- CCRIS 
- DART 
- GENETOX 
- IRIS 
- ITER 
- Multi-Database 
- TRI 
- Haz-Map 
- Household Products 
- TOXMAP 

Search All Databases


Enter term(s) to search all databases.

Search Clear Help

TOXNET Search Options

- Search all databases: Enter term(s) in box above
- Search a specific database: Click database at left
- Database description: Click on the 

Env. Health & Toxicology



Portal to
environmental
health and
toxicology
resources.
[VISIT SITE](#)

Support Pages

- Help
- TOXNET FAQ
- TOXNET Update Status
- Fact Sheet
- Database Description
- Training Manuals
- News

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1133 John Freeman Blvd.
Houston, TX 77030

NLM Contract No.: N01-LM-1 -3515

February 2006

TOXNET (TOXicology Data NETwork)

<http://toxnet.nlm.nih.gov/>

- A **FREE** web-based integrated system of toxicology and environmental health databases
- Information on toxicology, environmental health, hazardous chemicals, toxic releases, chemical nomenclature, and specialty areas such as occupational health and consumer products
- A product of NLM's Toxicology and Environmental Health Information Program (TEHIP)

Four Types of Databases

1. Toxicology Data Files:
 - a. HSDB
 - b. CCRIS
 - c. GENE-TOX
 - d. IRIS
 - e. ITER
 - f. TRI
2. Toxicology Literature Files:
 - a. TOXLINE
 - b. DART
3. Chemical Information: ChemIDplus
4. Other Databases:
 - a. Haz-Map
 - b. Household Products
 - c. TOXMAP

• ChemIDplus	?
• HSDB	?
• TOXLINE	?
• CCRIS	?
• DART	?
• GENETOX	?
• IRIS	?
• ITER	?
• Multi-Database	?
• TRI	?
• Haz-Map	?
• Household Products	?
• TOXMAP	?

TOXNET Data Files

Hazardous Substances Data Bank (HSDB)

- From NLM
- About 5000 chemical records
- Toxicology of potentially hazardous chemicals
- Information on human exposure, industrial hygiene, emergency handling procedures, environmental fate and regulatory requirements
- Data from books, government documents, technical reports and selected primary literature. Some data is compiled expressly for HSDB
- Peer reviewed by the Scientific Review Panel

Chemical Carcinogenesis Research Information System (CCRIS) –

- From the National Cancer Institute (NCI)
- Data and information on carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results
- Data derived from studies cited in primary journals, current awareness tools, NCI reports, and other special sources
- About 9000 chemical records
- A scientifically evaluated and fully referenced data bank

Genetic Toxicology (GENE-TOX)

- From the U.S. Environmental Protection Agency (EPA)
- Note: GENE-TOX not updated since January 2000
- Mutagenicity studies
- Data Structure – assay type, assay code, results, panel report, reference
- 3214 Chemical Records
- Selected literature was reviewed by scientific experts

Integrated Risk Information System (IRIS)

- From the EPA
- Contains EPA consensus scientific positions and quantitative values on cancer and non-cancer health effects that may result from lifetime oral or inhalation exposure to specific chemical substances in the environment
- About 550 chemical records
- Scientifically reviewed by groups of EPA scientists and represent EPA consensus

International Toxicity Estimates for Risk Assessment (ITER)

- From Toxicology Excellence for Risk Assessment (TERA), a non-profit corporation
- Provides a comparison of international risk assessment information derived by different organizations (U.S. and International)
- About 650 chemical records
- Includes synopses, links to organization source documents

Searching TOXNET

- Each TOXNET database may be searched individually or by using the **Search All Databases** option (record counts may vary somewhat when databases are searched individually)
- The databases employ very similar search engines. Search techniques for **Search All Databases** can be used for each database

Searching All Databases

- Search by chemical names, other terms (including multiple terms), and numbers (including CAS numbers)

The screenshot shows the TOXNET website interface. At the top is the header with the NLM logo and navigation links. Below the header is a navigation bar with links to SIS Home, About Us, Site Map & Search, and Contact Us. The main content area is divided into three columns. The left column, 'Select Database', lists various databases with checkboxes. The middle column, 'Search All Databases', contains a search box with the term 'ammonia' and buttons for Search, Clear, and Help. Below this is a 'Search Results' table. The right column contains links to 'Env. Health & Toxicology' and 'Support Pages'.

TOXNET
Toxicology Data Network

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Env. Health & Toxicology TOXNET

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

Select Database

- ChemIDplus
- HSDB
- TOXLINE
- CCRIS
- DART
- GENETOX
- IRIS
- ITER
- Multi-Database
- TRI
- Haz-Map
- Household Products
- TOXMAP

Search All Databases

Enter term(s) to search all databases.

ammonia

Search Clear Help

Search Results:

Database	Records found
TOXLINE Special	9511
DART Special	47
HSDB	894
IRIS	3
ITER	2
GENETOX	1
CCRIS	1
TRI	2526
CHEMIDplus	1

Other Related NLM Resources

- Household Products [Show me](#)
- Haz-Map [Show me](#)
- TOXMAP [Map It](#)

Env. Health & Toxicology

Portal to environmental health and toxicology resources.

[VISIT SITE](#)

Support Pages

- Help
- TOXNET FAQ
- TOXNET Update Status
- Fact Sheet
- Database Description
- Training Manuals
- News

Clicking on the number takes you into that database

- Search results display a summary of the number of records retrieved in each database

TOXNET Data Files

Example: HSDB (Hazardous Substances Data Bank)

TOXNET
Toxicology Data Network

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HSDB Search Results ▶ Env. Health & Toxicology ▶ TOXNET ▶ HSDB

ammonia

For chemicals, add synonyms and CAS numbers to search: ☒ Yes ☐ No

Items 1 through 20 of 894 Page 1 of 45. to page

Substance Names are sorted in *relevancy ranked order*.

Select Record	Substance Name
The following is the primary record for the chemical. All of the query terms were found.	
1 <input type="checkbox"/>	AMMONIA 7664-41-7
The following 893 records contain one or more of the requested chemical name(s) and all of the query terms anywhere in the record.	
2 <input type="checkbox"/>	AMMONIUM HYDROXIDE 1336-21-6
3 <input type="checkbox"/>	AMMONIUM ACETATE 631-61-8
4 <input type="checkbox"/>	AMMONIUM SULFATE 7783-20-2

Click on chemical name to access full record

- Results display best matches first

Save Checked Items

Sort

Details

History

Download

Modify Search

Basic Search

Browse Index

Help

TOXNET Home

- Saved Checked Items** option allows you to display selected records only
 - Check box next to record number(s)
 - Click **Saved Checked Items**
 - Click **Display Saved Items** to view only the selected records
- Sort** allows selected records to be resorted in ascending or descending order. TIP: This is best used with **Saved Checked Items**
- Details** displays the search strategy
- History** displays your recent searches
- Download** allows some or all of the records retrieved to be downloaded in brief or full format. TIP: This is best used with **Saved Checked Items**
- Browse Index** opens the Browse the Index search screen

Full Record Display

- The Full Record Display for each TOXNET data file has a similar look and navigation

HSDB

Next ItemSearch ResultsBasic SearchDetailsOther FilesModify Search

Previous ItemDownloadBrowse IndexHelp

TOXNET Home

Item 2 of 889

Contents

Contract all categoriesExpand all categoriesSelectClear

☐ FULL RECORD

☐ Human Health Effects

☐ Emergency Medical Treatment

☐ Animal Toxicity Studies

☐ Metabolism/Pharmacokinetics

☐ Pharmacology

☐ Environmental Fate & Exposure

☐ Environmental Standards & Regulations

☐ Chemical/Physical Properties

☐ Chemical Safety & Handling

☐ Occupational Exposure Standards

☐ Manufacturing/Use Information

☐ Laboratory Methods

☐ Special References

☐ Synonyms and Identifiers

☐ Administrative Information

AMMONIA

CASRN: 7664-41-7

For other data, click on the Table of Contents

Human Health Effects:

Human Toxicity Excerpts:

SYMPTOMATOLOGY (AMMONIA GAS & WATER ONLY): 1. Vapors cause irritation of eyes & resp tract. High concn cause conjunctivitis, laryngitis, & pulmonary edema or pneumonitis. Sensation of suffocation ... induced by spasm of glottis or by laryngeal edema. 2. Contact with skin can cause burns & vesication. If squirted into eyes ... rise in intraocular pressure may mimic narrow-angle glaucoma. Corneal edema & semidilated fixed pupils ... /are/ typical. 4. If systemic absorption becomes extensive, coma may arise ... preceded by ... hypertonus & convulsions.
[Gosselin, R.E., R.P. Smith, H.C. Hodge. Clinical Toxicology of Commercial Products. 5th ed. Baltimore: Williams and Wilkins, 1984.,p. III-22]**PEER REVIEWED**

AMMONIA HAS A GREATER TENDENCY THAN OTHER ALKALIES TO PENETRATE & DAMAGE THE IRIS, & TO CAUSE CATARACT /IN SEVERE BURNS/ IRITIS MAY BE ACCOMPANIED BY HYPOPYON OR HEMORRHAGES ... EXTENSIVE LOSS OF PIGMENT & SEVERE GLAUCOMA.
[Grant, W.M. Toxicology of the Eye. 3rd ed. Springfield, IL: Charles C. Thomas Publisher, 1986. 87]**PEER REVIEWED**

/WORKER/ COMPLAINED OF CHRONIC COUGH & INCR DYSPNEA ON EFFORT. BILATERAL INFILTRATES ... SEEN ON CHEST X-RAY, & LUNG FUNCTION INDICES REFLECTED ... VENTILATORY & DIFFUSION ABNORMALITIES. AFTER THREE YR AWAY FROM AMMONIA EXPOSURE ... WORKER HAD PERSISTENT EVIDENCE OF PULMONARY DAMAGE.
[Hamilton, A., and H. L. Hardy. Industrial Toxicology. 3rd ed. Acton, Mass.: Publishing Sciences Group, Inc., 1974. 208]**PEER REVIEWED**

- The search term(s) is highlighted in red in the full record
- Each database has the **Table of Contents** in the left frame and the full record in the right frame
- The **Table of Contents** includes quick links to the specific fields and categories within the record. Items of note include:
 - Human Health Effects (which is the default display in HSDB)
 - Emergency Medical Treatment
 - Animal Toxicity Studies
 - Environmental Fate and Exposure
 - Manufacturing/Use Information (includes the major uses of the substance and manufacturers)

Moving between Databases

- The **Other Files** button, located at the top of the results page, allows the search to be conducted in other TOXNET files

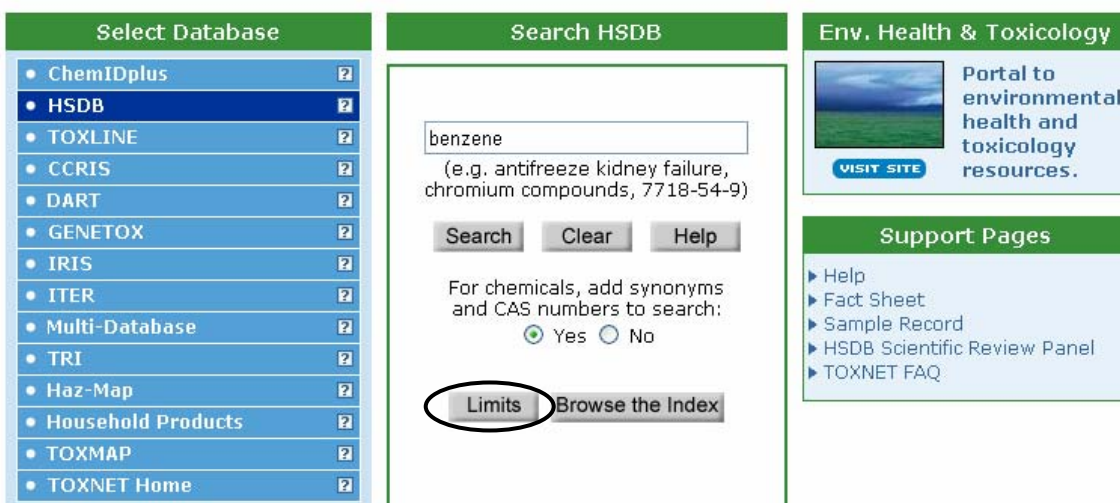
Other Files

Searching Individual Databases

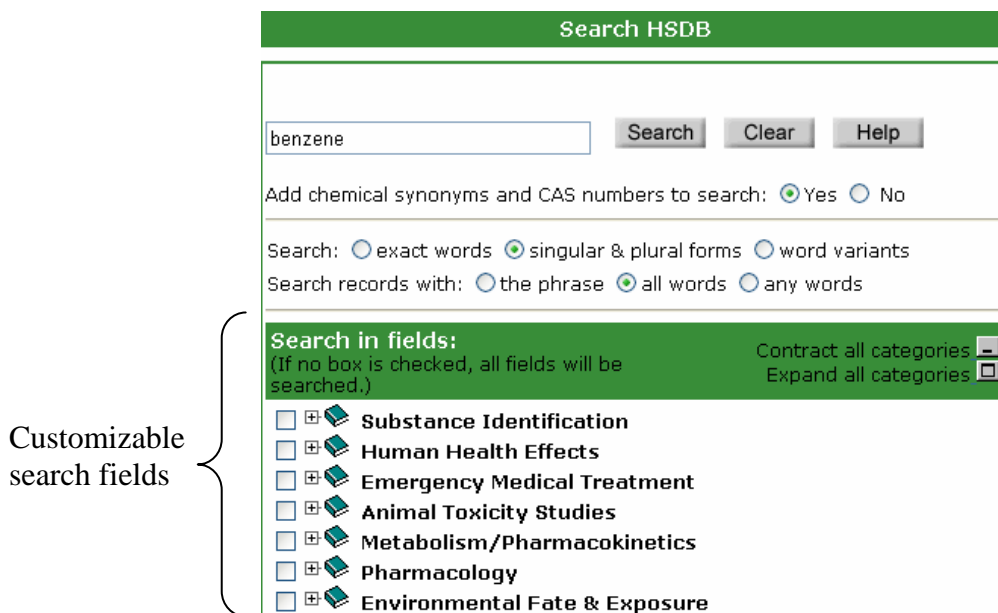
- Boolean searching using AND, OR, and NOT is available
- Truncation using the asterisk (*) is allowed at the end of a word and will search any number of characters
- Phrase searching by quotation marks is allowed



Hazardous Substances Data Bank (HSDB) - Comprehensive, peer-reviewed toxicology data for about 5,000 chemicals.



- Clicking on the **Limits** button allows you to search specific fields in the record



Practice Exercises

1. Can the ingestion of hydroquinone be fatal?
2. What is sodium benzoate used for?
3. Is lead chromate a carcinogen?

TOXNET Literature Files

TOXLINE (TOXicology Literature onLINE)

- From NLM
- Bibliographic information on pharmacological, biochemical, physiological, environmental, and toxicological effects of drugs and other chemicals
- Coverage 1950 to present
- Over 3 million citations
- 2 components: TOXLINE core and TOXLINE Special
 - TOXLINE Core searchable via PubMed (toxicology subset)
 - Standard toxicology journals
 - TOXLINE Special searchable via TOXNET
 - Special journals, technical reports, research projects, and archival collections

Developmental and Reproductive Toxicology/Environmental Teratology Information Center (DART/ETIC)

- Managed by NLM and funded by the EPA, the National Institute of Environmental Health Sciences (NIEHS), the National Center for Toxicological Research (NCTR) of the Food and Drug Administration (FDA), and NLM
- Bibliographic information on teratology and other aspects of developmental and reproductive toxicology
- Coverage 1953 to present
- Over 100,000 citations
- 2 components – DART Core and DART Special
 - DART Core searchable via TOXNET
 - links to PubMed citations
 - DART Special searchable via TOXNET
 - non-PubMed citations including meeting abstracts, technical reports, and non-MEDLINE journals

Searching TOXLINE



United States National Library of Medicine

TOXNET
Toxicology Data Network

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▶ Env. Health & Toxicology ▶ TOXNET ▶ TOXLINE

Toxicology Literature Online (TOXLINE) - References from toxicology literature.

Select Database	Search TOXLINE	Env. Health & Toxicology
<ul style="list-style-type: none"> ChemIDplus HSDB TOXLINE CCRIS DART GENETOX IRIS ITER Multi-Database TRI Haz-Map Household Products TOXMAP TOXNET Home 	<p>benzidine bladder cancer (e.g. asphalt fumes roofers, calcium aging, Neville DM autoimmune)</p> <p>Search Clear Help</p> <p>For chemicals, add synonyms and CAS numbers to search: <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Search in <input type="radio"/> TOXLINE Special <input type="radio"/> TOXLINE Core on PubMed <input checked="" type="radio"/> Both</p> <p>Limits Browse the Index</p>	<p>Portal to environmental health and toxicology resources.</p> <p>VISIT SITE</p> <p>Support Pages</p> <ul style="list-style-type: none"> ▶ Help ▶ Fact Sheet ▶ Sample Record ▶ TOXNET FAQ

- Default option searches both TOXLINE Special and TOXLINE Core
- Results for TOXLINE Special are displayed within the TOXNET database, results for TOXLINE Core display in PubMed
- Additional search options:
 - Browse the Index
 - Limits Search
- NOTE: **TOXLINE** and **DART** employ very similar search engines. All search techniques for **TOXLINE** can be used for **DART**

Browsing TOXLINE

- **Browse the Index** allows browsing by terms, MeSH headings or Keywords, Authors or CAS number

Browse TOXLINE

(e.g. asphalt fumes roofers, calcium aging, Neville DM autoimmune)

Browse index in TOXLINE Special:

☒ All Words
☐ MeSH Headings/Keywords
☐ Authors
☐ CAS Registry Number

**TOXNET**
Toxicology Data Network

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TOXLINE Browse Results [▶ Env. Health & Toxicology](#) [▶ TOXNET](#) [▶ TOXLINE](#)

☒ All Words ☐ MeSH Headings/Keywords ☐ Authors ☐ CAS Registry Number

Check one or more text words. Then click on SELECT.

Start of Text Word Browse: *hydrochloride*

Check to Select	Number of Records	Index Term
<input type="checkbox"/>	15694	hydrochloride
<input type="checkbox"/>	1	hydrochloridebiguanide
<input type="checkbox"/>	1	hydrochlorideinducible

Using Limits

- Search by chemical names, other terms (including multiple terms), and numbers (including CAS numbers)
- Click on the **Limits** button to limit your search. Type of **Limits** include
 - Title or Author fields
 - Searching exact words or variants
 - Maximum number of results retrieved
 - Year of publication
 - Search by languages
 - TOXLINE components

Search TOXLINE

Add chemical synonyms and CAS numbers to search: ☒ Yes ☐ No

Search in:

- ☐ [TOXLINE Special](#)
- ☐ [TOXLINE Core on PubMed](#)
- ☒ Both

Search fields:

- ☒ All fields
- ☐ Titles
- ☐ Authors (e.g., Smith H)

Search: ☐ exact words ☒ singular & plural forms ☐ word variants

Search records with: ☐ the phrase ☒ all words ☐ any words

Maximum records returned

Year of Publication:
 through

Only search documents added in the last months.

TOXLINE Components

- All
- ANEUPL
- BIOSIS
- CIS
- CRISP
- DART

Language

- All
- English
- Afrikaans
- Arabic
- Armenian
- Azerbaijani

TOXLINE Results

- Search results for TOXLINE Core are displayed within the PubMed screen
- Search results for TOXLINE Special are displayed within TOXLINE

The screenshot shows the TOXNET Toxicology Data Network interface. At the top, there is a green banner with the NLM logo and the text 'TOXNET Toxicology Data Network'. Below this, the 'TOXLINE Special Search Results' section is visible on the left. The main content area is titled 'Entrez PubMed - Microsoft Internet Explorer' and shows search results for 'hydrochloride AND Tox[sb]'. The search results are displayed in a table with columns for 'All Databases', 'PubMed', 'Nucleotide', 'Protein', 'Genome', 'Structure', 'OMIM', 'PMC', and 'Journals'. The search results show 'All: 7791' and 'Review: 366'. The first result is '1: Haigh C, Dewar JC'. The interface also includes a 'Select Record' button and a 'References are sorted' section.

Full Record Display in TOXLINE Special

- Full records include the citation plus abstract
- Search term(s) are highlighted in red
- **Related Records** searches for results similar to the selected record

The screenshot shows the 'Full Record Display in TOXLINE Special' for the record 'Health assessment document for vinylidene chloride'. The record is displayed in a table with columns for 'Related Records', 'Search Results', 'Download', 'Basic Search', 'Browse Index', and 'Modify Search'. The record details include:

- Health assessment document for vinylidene chloride**
- Authors:** EPA Working Group
- Source:** Environmental Protection Agency Vol:EPA-600/8-83-031F (1985)
- Abstract:** Vinylidene chloride is a highly reactive, flammable, clear, colorless liquid that, in the presence of air, can form complex peroxides in the absence of chemical inhibitors. The peroxides are violently explosive, and formaldehyde, phosgene, and hydrochloric acid are produced as decomposition products. Vinylidene chloride has a boiling point of 31.6° 760 mm Hg and a

Practice Exercise

1. Has imipramine in the treatment of enuresis ever been found to be poisonous?
2. What is the effect of ciguatera poisoning on a fetus?

TOXNET Specialty Files

Toxics Release Inventory (TRI)

- Based on data submitted to the EPA from industrial facilities in U.S.
- Describe the releases of toxic chemicals into the environment annually (1987 – 2003)
- Data includes names and addresses of facilities, the amounts of toxic chemicals released to the air, water, land, or transfer to waste sites
- About 650 chemicals and chemical categories

Select Database	Search TRI	Env. Health & Toxicology
<ul style="list-style-type: none">• ChemIDplus• HSDB• TOXLINE• CCRIS• DART• GENETOX• IRIS• ITER• Multi-Database• TRI• Haz-Map• Household Products• TOXMAP• TOXNET Home	<p>Chemical Name or CAS Registry Number</p> <p>toluene</p> <p><input type="button" value="Search"/> <input type="button" value="Clear"/> <input type="button" value="Help"/></p> <p>Add synonyms and CAS numbers to search: <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>TRI Files:</p> <p><input type="button" value="Select All"/></p> <p><input checked="" type="checkbox"/> 2003 <input type="checkbox"/> 2002 <input type="checkbox"/> 2001 <input type="checkbox"/> 2000 <input type="checkbox"/> 1999 <input type="checkbox"/> 1998 <input type="checkbox"/> 1997 <input type="checkbox"/> 1996 <input type="checkbox"/> 1995 <input type="checkbox"/> 1994 <input type="checkbox"/> 1993 <input type="checkbox"/> 1992 <input type="checkbox"/> 1991 <input type="checkbox"/> 1990 <input type="checkbox"/> 1989 <input type="checkbox"/> 1988 <input type="checkbox"/> 1987</p> <p>Facility Names (Separate multiple entries with commas)</p> <p><input type="text"/></p> <p>Facility Location (Separate multiple entries for state, city/state, or zip with commas. For example: NJ, DE, or Trenton/NJ, Houston/TX, or 21113, 21224.)</p> <p>houston/tx</p> <p><input type="radio"/> State <input checked="" type="radio"/> City/State <input type="radio"/> County/State <input type="radio"/> Zip</p>	<p>Portal to environmental health and toxicology resources.</p> <p><input type="button" value="VISIT SITE"/></p> <p>Support Pages</p> <ul style="list-style-type: none">▶ Help▶ Fact Sheet▶ Sample Record▶ TOXNET FAQ

- Results display in brief format with the facilities and chemical list
- The **Map it with TOXMAP** button displays the results in TOXMAP

Calculate Release!

Save Checked Items

Sort

Details

History

Download

Modify Search

New Search

Browse Index

Help

TOXNET

Toxicology Data Network

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TRI2003 Search Results ▶ Env. Health & Toxicology ▶ TOXNET ▶ TRI2003

Please click on **Modify Search** button to modify TRI search strategy.

Items **1** through 20 of 27

Facility/Substance Names are unsorted.

Select Record	Facility/Substance Name
1 <input type="checkbox"/>	MOTIVA HOUSTON TERMINAL TOLUENE HOUSTON, TX
2 <input type="checkbox"/>	EXXON MOBIL CORP N HOUSTON TERMINAL TOLUENE HOUSTON, TX
3 <input type="checkbox"/>	LYONDELL-CITGO REFINING L P TOLUENE HOUSTON, TX

Pages: 1 2 ▶

- To find the total release of the chemical by facility, select the record and click on **Calculate Release!** Results summarize the total amount released

TRI Calculation Results

Calculate Release!

Save Checked Items

Sort

Details

History

Download

Modify Search

New Search

Browse Index


Help

TOXNET Home

Environmental Release	Pounds
Total Air Release	73,106
Total Water Release	499
Total Underground Injection Release	0
Total Land Release	0
Total Environmental Release	73,605
Off-Site Waste Transfer	Pounds
Total Publicly Owned Treatment Works Transfer	0
Total Other Off-Site Locations Transfer	3,570,297
Total Off-Site Waste Transfer	3,570,297
Total Environmental Release and Off-Site Waste Transfer	3,643,902

TOXMAP

- From NLM
- Maps TRI data
- Displays air, water, and land releases as reported by US industrial facilities
- Search by chemical name, facility name or location

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of Medicine**

TOXMAP
Environmental Health e-Maps

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Quick Search


Chemical

City

State ZIP [\[Lookup\]](#)
-

[Search TOXMAP by
Facility Name, CAS/RN...](#)

**Click on a map below to begin
exploring ...**




More to Explore

- [Coming soon in TOXMAP](#)
- [TOXMAP's data can be searched in other ways](#)
- [New in TOXMAP 2.4](#)
- [What data sources does TOXMAP use?](#)
- [What are some tips for reading maps critically?](#)

Questions

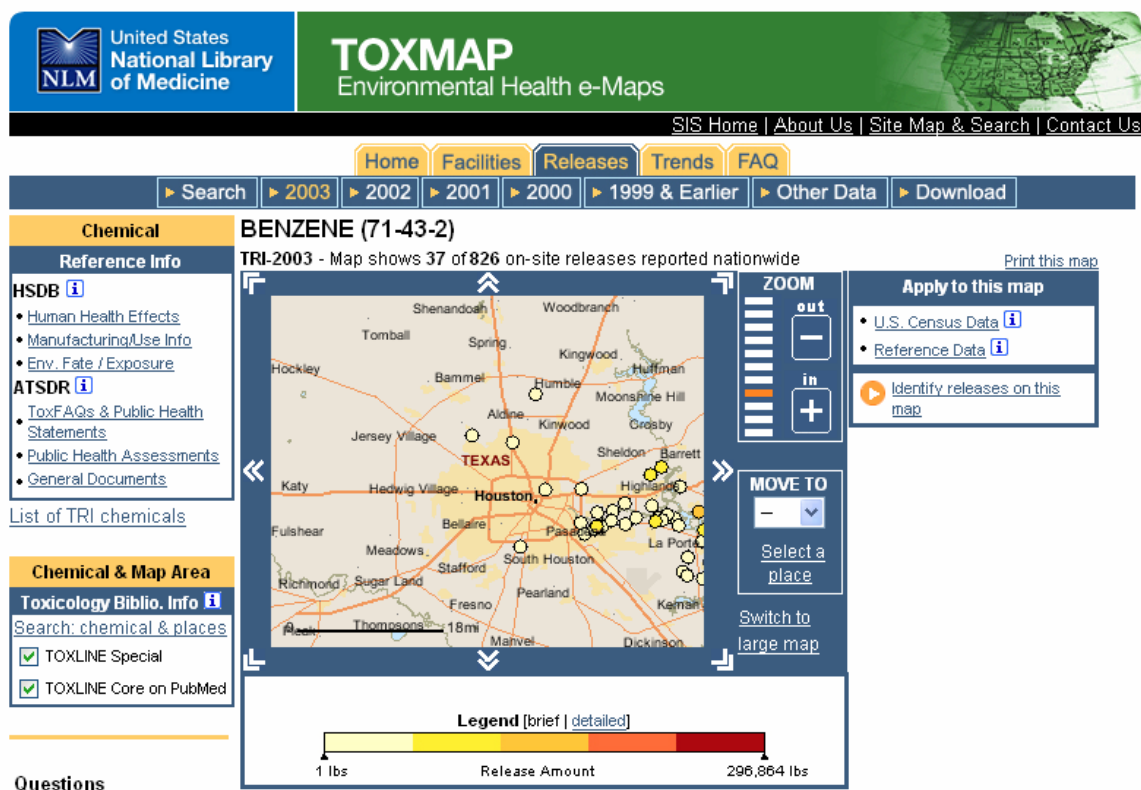
[? Whom do I contact
with questions
and/or suggestions?
more...](#)

**Environmental Health
and Toxicology
Information**



We subscribe to the [HONcode](#)
principles of the [Health On the
Net Foundation](#).

- Display facilities in a location, chemicals released from a location or facility
- Trend a chemical released by facility or location



- Links to HSDB and ATSDR information as well as TOXLINE searches
- Can include census and reference data on map

Haz-Map

- From NLM
- Occupational toxicology database addressing the health effects of exposure to chemicals and biological substances in the workplace
- Links jobs and hazardous tasks with occupational diseases and their symptoms
- Contains approximately 1,000 chemicals and 180 occupational diseases



Search as  Agent  Disease  Job Text Search

[Haz-Map Search](#)

[More Searches](#)

[Haz-Map Help](#)

[Glossary](#)

[References](#)

Browse Haz-Map

- **Hazardous Agents**
 1. [By Types of Agents](#)
 2. [By Adverse Effects](#)
 3. [Alphabetically](#)
- **Occupational Diseases**
 1. [By Types of Diseases](#)
 2. [By Jobs and Symptoms](#)
 3. [Alphabetically](#)
- **High Risk Jobs**
 1. [By Types of Jobs](#)
 2. [Alphabetically](#)

[Haz-Map](#): Information on Hazardous Chemicals and Occupational Diseases
by
[Jay A. Brown](#), M.D., M.P.H.

Household Products Database

- From NLM
- Information on potential health effects of chemicals or substances contained in more than 5,000 common household products
- Users can browse by a product category such as 'Pesticides' or by alphabetical listing of brand names
- Products can also be searched by type, manufacturer, product ingredient/chemical name and by health effects
- Record for each product shows ingredients as reported in the manufacturer's Material Safety Data Sheets (MSDS)
- Links to TOXNET, PubMed and other NLM databases

Household Products Database

National Institutes of Health
National Library of Medicine
Specialized Information Services



[Home](#) [Products](#) [Ingredients](#) [MSDS](#)

[Quick Search](#)

Browse & Search

- [Products](#)
- [Ingredients](#)
- [Material Safety Data Sheet \(MSDS\)](#)

Support Pages

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- [Other Resources](#)

Health & Safety Information on Household Products

What's under your kitchen sink, in your garage, in your bathroom, and on the shelves in your laundry room? Learn more about what's in these products, about potential health effects, and about safety and handling.

Information in the Household Products Database is taken from a variety of publicly available sources, including brand-specific labels and Material Safety Data Sheets ([MSDS](#)) prepared by manufacturers.

[Find a product...](#)

For advice if someone is poisoned, call your local [Poison Center](#) at (1-800-222-1222).




ChemIDplus

- From NLM
- Structure and name file used for the identification of chemical substances
- Contains over 379,000 chemical records
- Structural Data for over 257,000 records
- Search options include **Basic** and **Advanced Search**

Basic Search


- Yields a list of results from different sources



About • Contact • Search

National Library of Medicine
Specialized Information Services

SIS



ChemIDplus
Record

[Tox. & Env. Health](#) [TOXNET](#) [ChemIDplus](#)

Arsenic
RN: 7440-38-2

Basic Information

Full Record

Names & Synonyms

Formulas

Classification Codes

Registry Numbers

Notes

For more information about this substance, you may select from the the links below.

File Locator

[CANCERLIT](#) [NCI CANCER LITerature](#)

[CCRIS](#) [NCI Chem Carcinogenesis Res Info System](#)

[DART/ETIC](#) [Developmental and Reproductive Toxicology](#)

[DSL](#) [Domestic Substances List of Canada](#)

[EINECS](#) [EU Inv of Existing Commercial Chem Sub](#)

[EMIC](#) [Environmental Mutagen Information Center](#)

[GENETOX](#) [EPA GENetic TOXicology](#)

[HSDB](#) [Hazardous Substances Data Bank](#)

[Haz-Map](#) [Occupational exposure to hazardous agents](#)




















[IRIS](#) [EPA Integrated Risk Information System](#)

Search Navigation

Main Query Page

Advanced ChemIDplus Search

- The **Basic Information** buttons on the left of the results allows you to access the ChemID*plus* **Full Record**, or a specific portion of the record, such as **Names & Synonyms**, **Formulas**, **Classification Codes**, **Registry Numbers**, and **Notes**
- The **Search Navigation** button on the right allow you to go back to a basic search (**Main Query Page**) or to the advanced search (**Advanced ChemIDplus Search**)
- The middle of the results pages lists the **Locators** where further information on the chemical is found
- The **File Locators** point to NLM associated databases

<u>File Locator</u>	
CANCERLIT	 NCI CANCER LITerature
CCRIS	 NCI Chem Carcinogenesis Res Info System
DART/ETIC	 Developmental and Reproductive Toxicology
DSL	 Domestic Substances List of Canada
EINECS	 EU Inv of Existing Commercial Chem Sub
EMIC	 Environmental Mutagen Information Center
GENETOX	 EPA GENetic TOXicology
HSDB	 Hazardous Substances Data Bank
Haz-Map	 Occupational exposure to hazardous agents
IRIS	 EPA Integrated Risk Information System
MEDLINE	 MEDical literature onLINE
MESH	 Medical Subject Headings File
MESH HEADING	 Medical Subject Headings
RTECS	 Registry of Toxic Effects of Chemical Substances
TOXLINE Core	 NLM TOXLINE Core from MEDLINE
TOXLINE Special	 NLM TOXLINE Special on TOXNET
TRI2000	 EPA Toxics Release Inventory 2000
TRI2001	 EPA Toxics Release Inventory 2001
TRI95	 EPA Toxics Release Inventory 1995

- **Internet Locators** link to web resources containing biomedical data
- **Superlist Locators** link to regulatory and scientific lists

<u>Internet Locator</u>	
ATSDR PHSs	i ATSDR Public Health Statements
ATSDR TOXFAQS	i ATSDR ToxFAQS
ATSDR Tox Profiles	i ATSDR Toxicological Profiles
EPA CRS	i EPA Substance Registry System
EPA Envirofacts	i EPA Master Chemical Integrator
NIOSH ICSC	i NIOSH International Chemical Safety Cards
NIOSH Pocket Guide	i NIOSH Pocket Guide to Chemical Hazards
NIST WebBook	i NIST Chemistry WebBook
NJ-HSFS	i New Jersey Hazardous Substance Fact Sheets
<u>Superlist Locator</u>	
DOT	i DOT Hazardous Materials
IARC	i International Agency for Research on Cancer
MA	i Massachusetts Right-to-know Substances
MI	i Michigan Critical Materials Register
NJ	i New Jersey Right-to-know Substances
PA	i Pennsylvania Right-to-know Substances
PEL	i OSHA Toxic and Hazardous Substances
PELS	i OSHA Toxic and Hazardous Substances, 1989
REL	i NIOSH Recommended Exposure Limits
RQ	i CERCLA Reportable Quantities
S110	i ATSDR Priority List of hazardous substances
TLV	i ACGIH Threshold Limit Values
TRI	i EPA Toxics Release Inventory
WHMI	i Workplace Hazardous Materials Information

- The **i** button gives you more information about the Locator
- To view the results in any Locator, click on its name

Practice Exercises

1. Find the Mercury releases in Houston, Texas. Which facility has the highest amount of releases?
2. What are the acute health effects associated with Victor Roach Killing Powder?